

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0130796

Owner: Washington Sand Company
Address: 700 Mokane Road, Jefferson City, MO 65110

Continuing Authority: Same as above
Address: Same as above

Facility Name: Washington Sand Company
Facility Address: Simmons Ave, Washington, MO 63090

Legal Description: NW ¼, Sec. 30., T44N, R1E, Franklin County

Receiving Stream: Outfall 001: Missouri River (P) (#1604)
Outfall 002: Dubois Creek (P) (#1684)

First Classified Stream and ID: Same as above
USGS Basin & Sub-watershed No.: Outfall 001: (10300200-190002)
Outfall 002: (10300200-130001)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

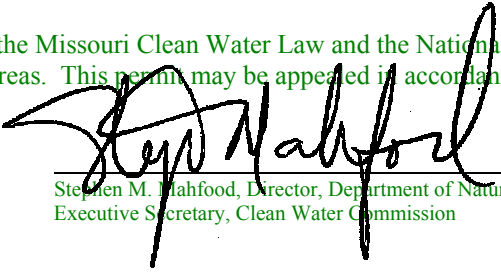
FACILITY DESCRIPTION

Outfall #001 - SANDW - SIC # 1442

Outfall 001: Wash water from sand washing process; Max daily flow is 0.92 MGD.
Outfall 002: Storm water from stock piles; Peak flow is 21,600 gpm or 2.65 MGD.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

November 1, 2004
Effective Date


Stephen M. Mahfood, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

October 31, 2009
Expiration Date

Mohamad Alhalabi, P.E., Director, St. Louis Regional Office

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 2 of 4	
					PERMIT NUMBER MO-0130796	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETERS	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall 001 - Wash Water (Note 1)</u>						
Flow	MGD	*		*	Once/month**	Instantaneous Estimate
Settleable Solids	mL/L	1.5		1.0	Once/month**	grab
Total Suspended Solids	mg/L	110		70	Once/month**	grab
pH	SU	***		***	Once/month**	grab
<u>Outfall 002 - Storm Water (Note 2)</u>						
Flow	MGD	*		*	Once/month**	Instantaneous Estimate
Settleable Solids	mL/L	1.5		1.0	Once/month**	grab
Oil and Grease	mg/L	15		10	Once/month**	grab
pH	SU	***		***	Once/month**	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>JANUARY 28, 2005</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

* Monitoring requirement only.

** Sample shall be collected monthly during periods of operation. Monitoring reports shall also be submitted during periods when the facility is not in operation. When no discharge occurs from the treatment facility during the reporting period, the report shall state "no discharge".

*** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.

Note 1 - All wash waters shall receive primary treatment before discharge. Permittee shall collect a sample prior to the discharge leaving the property or entering waters of the state.

Note 2 - Permittee shall submit a map once per year with the annual report to the department showing the area(s) being mined, current stockpile areas, equipment storage and maintenance areas, and outfalls.

C. SPECIAL CONDITIONS

1. All outfalls must be clearly marked in the field.
2. Report as no-discharge when a discharge does not occur during the report period.
3. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - a. Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - b. Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - c. Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - d. Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - e. There shall be no significant human health hazard from incidental contact with the water.
 - f. There shall be no acute toxicity to livestock or wildlife watering;
 - g. Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - h. Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
4. Permittee must provide sediment and erosion control sufficient to prevent or control pollution to waters of the state. This could include the use of straw bales, silt fences, or sediment basins, if needed, to comply with effluent limits.
5. Permittee shall adhere to the following Best Management Practices:
 - a. Prevent the spillage or loss of fluids, oil, grease, fuel, etc. from vehicle maintenance, equipment cleaning, or warehousing activities and prevent the contamination of storm water from these substances.
 - b. Provide for the collection and proper disposal of waste products including, but not limited to, petroleum waste products and solvents. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, and shall include spill prevention, control and counter measures.
 - c. Store all paint, solvents, petroleum products, and petroleum waste products in appropriate storage containers (such as drums, cans, or cartons) so that these materials are safely contained and not exposed to storm water.
 - d. Provide good housekeeping practices on the site to keep trash or other solid waste from entering waters of the state.
 - e. Designate an individual as responsible for environmental matters. Inspect, once per month on workdays, any structure that functions to prevent pollution from storm water or to remove pollutants from storm water. In addition, inspect these structures within 24 hours of each rainfall event of one inch or more. Inspect the facility in general to ensure that any Best Management Practices are continually implemented and remain effective.

C. SPECIAL CONDITIONS (Continued)

6. Changes in Discharges of Toxic Substances. The permittee shall notify the Director as soon as it knows or has reason to believe:
 - a. That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
 - b. That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
7. Except for construction of a stream crossing pursuant to a Section 404 permit as mentioned above, at no time shall vehicles or equipment be operated within the submerged portion of a stream.
8. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - a. Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b) (2) (C) and (D), 304(b) (2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - b. Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - c. Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.